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(FILE 'HOME' ENTERED AT 14:22:35 ON 09 JUL 2003)

FILE 'MEDLINE' ENTERED AT 14:22:41 ON 09 JUL 2003

L1 1920 S DIRECT INJECTION
L2 17817 S ANTIGEN PRESENTING CELLS OR APC
L3 106489 S PARTICLE OR PARTICULATE
L4 0 S L1 (S) L2 (S) L3
L5 1 S L1 (S) L2
L6 497 S DNA IMMUNIZATION
L7 15 S L3 (S) L6
L8 0 S L3 (S) L6 (S) L1
L9 0 S L6 (S) L1
L10 1775 S DNA IMMUNIZATION OR DNA VACCINE
L11 2 S L10 (S) L1
L12 92 S L2 (L) L10
L13 0 S L2 (L) L10 (S) L1
L14 0 S L2 (L) L10 (L) L1

FILE 'MEDLINE, CAPLUS, USPATFULL, PCTFULL, BIOSIS, EMBASE' ENTERED AT
14:27:45 ON 09 JUL 2003

L15 10 S L4
L16 2 S L8
L17 13 S L9
L18 21 S L13
L19 429 S L14
L20 35 DUP REM L15 L16 L17 L18 (11 DUPLICATES REMOVED)
L21 46 S L1 (S) L2
L22 14164 S COATED PARTICLE
L23 2 S L1 (S) L2 (S) L22

| L Number | Hits | Search Text | DB | Time stamp |
|----------|---------|--|---|------------------|
| 1 | 12714 | (antigen ADJ presenting ADJ cell) or APC | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2003/07/09 14:01 |
| 7 | 16444 | direct NEAR injection | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2003/07/09 14:01 |
| 13 | 18 | ((antigen ADJ presenting ADJ cell) or APC) same (direct NEAR injection) | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2003/07/09 14:10 |
| 19 | 1095380 | particle | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2003/07/09 14:07 |
| 25 | 3 | ((antigen ADJ presenting ADJ cell) or APC) same (direct NEAR injection) same particle | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2003/07/09 14:10 |

STIC-ILL

From: Martin, Jill
Sent: Saturday, September 19, 1998 3:23 PM
To: STIC-ILL
Subject: REF

Name: Jill Martin (formerly Jill Schmuck)
AU: 1632
Phone #: 305-2147
Case #: 08/931,219
Thanks!!

L5 ANSWER 8 OF 8 MEDLINE

AN 92186961 MEDLINE

DN 92186961

TI ***Genetic*** ***immunization*** is a simple method for
eliciting an immune response.

AU Tang D C; DeVit M; ***Johnston S A***

CS Department of Medicine, University of Texas, Dallas 75235-8573..

SO NATURE, (1992 Mar 12) 356 (6365) 152-4.

Journal code: NSC. ISSN: 0028-0836.

CY ENGLAND: United Kingdom

DT Journal; Article; (JOURNAL ARTICLE)

LA English

FS Priority Journals; Cancer Journals

EM 199206

=> d l5 8 ab

L5 ANSWER 8 OF 8 MEDLINE

AB To produce an immune reaction against a foreign protein usually
requires purification of that protein, which is then injected into
an animal. The isolation of enough pure protein is time-consuming
and sometimes difficult. Here we report that such a response can
also be elicited by introducing the gene encoding a protein directly
into the skin of mice. This is achieved using a hand-held form of
the biolistic system which can propel DNA-coated gold
microprojectiles directly into cells in the living animal.

Genetic ***immunization*** may be time- and
labour-saving in producing antibodies and may offer a unique method
for vaccination.

STIC-ILL

From: Martin, Jill
Sent: Thursday, September 17, 1998 3:34 PM
To: STIC-ILL
Subject: REF

Name: Jill Schmuck
AU: 1632
Phone #: 305-2147
Case #: 08/931,219
Thanks!!

L5 ANSWER 60 OF 91 MEDLINE

AN 94296659 MEDLINE

DN 94296659

TI Production of monoclonal antibodies by genetic immunization.

AU Barry M A; Barry M E; Johnston S A

CS University of Texas Southwestern Medical Center, Dallas..

SO BIOTECHNIQUES, (1994 Apr) 16 (4) 616-8, 620.

Journal code: AN3. ISSN: 0736-6205.

CY United States

DT Report; (TECHNICAL REPORT)

LA English

FS Priority Journals

EL5 ANSWER 60 OF 91 MEDLINE

AB Genetic immunization is a simple method for producing polyclonal antibodies in mice. To test if this approach could be used for monoclonal antibody production, ***biolistic*** transfection was used to immunize a mouse. High levels of polyclonal antibodies against human growth hormone (hGH) were elicited following three inoculations with the gene for hGH. When hybridoma cells were created from the mouse's splenocytes, approximately 17% secreted antibodies vs. hGH. Of these, some recognized only native or denatured hGH, while most recognized both forms of the protein. These findings demonstrate the utility of genetic immunization as a method to produce monoclonal antibodies.